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divisional application to the application mentioned
under INID code 62.

(54) **A recording medium on which data relating to a scene seen from different angles is recorded
and a recording medium with synchronizing information**

(57) In a super density optical disk for storing video data, video data is compressed to packs defined in MPEG and trains of the packs are stored in an video object unit. The video object unit includes a navigation pack which is placed at the head of the pack train. In data cell, a plurality of video object units each being reproduced within a predetermined period are arranged and a cell playback information table describes a cell playback information which defines a playback order of the cells. The navigation pack has an area storing playback information for reproducing each video object unit and search information for indicating the relationship with other video object units. Specifically, the navigation pack contains control information including an angle information for indicating a start address of another video object unit storing playback/video data for a different scene which is contemporary with or preceding that for which the reproducible data is stored in the video object unit to which the navigation pack belongs, and additional control information including another angle information indicating a start address of a group of the video object units to be reproduced after the video object unit to which the navigation pack belongs. The data cells and the cell playback information table are stored in the optical disk.

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